

**COMPLETE LIST OF STATE-RECOGNIZED
SECONDARY CAREER AND TECHNICAL EDUCATION (CTE) PROGRAM CIP CODES
By Federal Career Cluster and Federal CIP Code**

Updated December 2013

Current and Historical CIP Area Endorsements that Can Teach

If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.

If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
01.0000	AGRICULTURE, AGRICULTURAL OPERATIONS AND RELATED SCIENCES	Required	If appropriately certified teacher not available, may use:
	Agriculture, Agricultural Operations and Related Sciences 01.0000	Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Agriculture Science and Natural Resources 02.9999		
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Agricultural Construction/Maintenance 01.0306 Agricultural Electrification 01.0307 Agricultural Mechanical Skills 01.0305 Agricultural Mechanics 01.0201 Agricultural Mechanics & Equip/Machinery Tech 2.0205 Agriculture Production 01.0301		

Special Circumstances

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3. Contracted programs must apply for Annual Occupational Authorization.
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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
01.0101	AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER Not available for NEW CTE Application	Required	If appropriately certified teacher not available, may use:
	Agricultural Business and Management 01.0101 Agriculture, Agricultural Operations and Related Sciences 01.0000	Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Agriculture Science and Natural Resources 02.9999 Agricultural Supplies/Services 01.0200 Farm Business Management 01.0104 Feeds 01.0202 Fertilizers 01.0204 PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Agricultural Structure/Conveniences 01.0302		

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
01.0601	APPLIED HORTICULTURE AND HORTICULTURAL OPERATIONS	Required Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Applied Horticulture and Horticultural Operations 01.0601 Agriculture, Agricultural Operations and Related Sciences 01.0000		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Agriculture Science and Natural Resources 02.9999 Greenhouse Operation/Management 01.0503 Ground Operations 17.0403 Nursery Operation Management 01.0505		

Special Circumstances

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
01.0903	ANIMAL HEALTH & VETERINARY SCIENCE	Required Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Animal Health & Veterinary Science 01.0903 Agriculture, Agricultural Operations and Related Sciences 01.0000		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Agriculture Science and Natural Resources 02.9999		

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
03.0000	NATURAL RESOURCES AND CONSERVATION	Required Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Natural Resources and Conservation 03.0000 Agriculture, Agricultural Operations and Related Sciences 01.0000		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Agriculture Science and Natural Resources 02.9999 Agricultural Resources 01.0600 Environmental Health 07.0700 Forestry 01.0700 Forests 01.0107 Soil Management 01.0303 Wildlife 01.0604 PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Fish Farm/Hatcheries 01.0607 Water 01.0605 Water Management 01.0304		

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER			
26.1201	BIOTECHNOLOGY	Required Valid Michigan Certificate: Provisional, Professional, or Continuing with HX endorsement	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Biotechnology 26.1201 Agriculture, Agricultural Operations and Related Sciences 01.0000		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA Agriculture Science and Natural Resources 02.9999		

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ARCHITECTURE & CONSTRUCTION CLUSTER

15.1301	DRAFTING & DESIGN TECHNOLOGY/ARCHITECTURAL		
	Drafting & Design Technology/Architectural 15.1301		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Drafting 48.0101 Architectural Drafting 17.1398 Mechanical Drafting 15.1306 Blueprint Reader 17.0500	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application

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ARCHITECTURE & CONSTRUCTION CLUSTER			
19.0605	HOME FURNISHINGS EQUIPMENT INSTALLERS AND CONSULTANTS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Home Furnishings Equipment Installers and Consultants 19.0605		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Home Furnishings 20.0501		

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ARCHITECTURE & CONSTRUCTION CLUSTER			
46.0000	CONSTRUCTION TRADES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Construction Trades 46.0000		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Blueprint Reader 17.0500		
	Construction and Maintenance 17.1000		
	Construction Trades 46.9901		
	Carpentry 17.1001		
	Dry Wall Installation 17.1008		
	Roofing 17.1010		
	Building & Home Maintenance & Services 20.0601		
	Building Maintenance 46.0401		
	Foremanship 17.1700		
	Hardware-Building Related 04.0900		
	Masonry 17.1004		

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ARCHITECTURE & CONSTRUCTION CLUSTER

46.0301	ELECTRICAL AND POWER TRANSMISSION INSTALLATION	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Electrical and Power Transmission Installation 46.0301 State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA Electrical, Electronics, & Comm Engineer 14.1001 Electro-Mechanical Technology 15.0403 Electro-Mechanical Technology 47.0199 Electronics Occupations 17.1500 Electricity 17.1002		

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ARCHITECTURE & CONSTRUCTION CLUSTER			
46.0503	PLUMBING TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Plumbing Technology 46.0503 State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA Plumbing and Pipefitting 17.1007		

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ARCHITECTURE & CONSTRUCTION CLUSTER			
47.0201	HEATING, AIR CONDITIONING, VENTILATION AND REFRIGERATION	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Heating, Air Conditioning, Ventilation and Refrigeration 47.0201		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Cooling 17.0101 Gas Appliances 17.0202 Heating 17.0102 Refrigeration 17.3000 Ventilating 17.0103		

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ARTS, A/V TECHNOLOGY & COMMUNICATIONS CLUSTER			
10.0202	RADIO & TV BROADCASTING TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Radio & TV Broadcasting Technology 10.0202		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Radio & TV Production 09.0701 Radio & TV Broadcasting Tech 10.0202 Radio/Television 17.1503 Radiological Technician 07.0702 TV and Radio Production 17.1599		

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ARTS, A/V TECHNOLOGY & COMMUNICATIONS CLUSTER			
10.0301	GRAPHICS AND PRINTING TECHNOLOGY AND COMMUNICATIONS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Graphics and Printing Technology and Communications 10.0301		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Graphics and Printing 48.0201 Graphic Arts Occupations 17.1900 Commercial Art Occupation 17.0700 Commercial Photo Occupations 17.0900 Composition Make-Up and Type 17.1901 Glazing 17.1009 Litho Photo and Plate Making 17.1903 Photo Lab and Dark Room Occupation 17.0901 Photoengraving 17.1904 Printing Press Occupation 17.1902 Production Design 17.0703 Silk Screen Making/Print 17.1905 Visual Imaging 48.0299		

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ARTS, A/V TECHNOLOGY & COMMUNICATIONS CLUSTER			
50.0101	VISUAL & PERFORMING ARTS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Visual & Performing Arts 50.0101		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA Communications 17.1501 Drama/Theater Arts & Stage Craft 50.0599 Visual Comm. Technology 50.0401		

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ARTS, A/V TECHNOLOGY & COMMUNICATIONS CLUSTER			
19.0906	FASHION DESIGN	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Fashion Design 19.0906		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Apparel and Accessories 04.0200 Clothing Management 09.0202 Fabric Maintenance 17.1600 Floor Covering 17.1097 Floriculture 01.0502 Floristry 04.0500 Interior Decorating 17.0701 Leatherworking 17.3400 Painting and Decorating 17.1005 Shoe Manufacturing 17.3401 Tailoring 17.3300 Textile Production 17.3302 Upholstering 17.3500 Window Display 17.0702		

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BUSINESS, MANAGEMENT & ADMINISTRATION CLUSTER			
52.0299	BUSINESS ADMINISTRATION MANAGEMENT AND OPERATIONS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Business Administration Management and Operations 52.0299		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Business Machine Repair 47.0102 Business Services 07.0999 Business Services and Technology 52.9999 Business, Management & Administration 52.9994 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 Data Processing/Business 07.0301 General Office Clerical 14.0300 Secretarial Programs 07.0601 Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory and Administration 14.0800 Typing and Related Occupation 14.0900 Office 14.0000		

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EDUCATION & TRAINING CLUSTER				
13.0000	EDUCATION GENERAL		Required Valid Michigan Certificate: Provisional/ Professional/ Continuing	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Education General 13.0000			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Teacher Cadet 13.0000			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT			
	South Carolina Model State CIP Approved Programs/Teachers			

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By Federal Career Cluster and Federal CIP Code**

Updated December 2013

Current and Historical CIP Area Endorsements that Can Teach

If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.

If local program is not Michigan State Approved CTE, teachers must have a provisional/professional/continuing teaching certificate with appropriate endorsement. Refer to Classes that can be Taught – NCLB

FINANCE CLUSTER				
52.0800	FINANCE AND FINANCIAL MANAGEMENT SERVICES		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Finance and Financial Management Services 52.0800			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Accounting & Computing 14.0100 Business Administration Management & Operations 52.0299 Business, Management & Administration 52.9994 Business Services and Technology 52.9999 Finance and Credit 4.0400			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR ACCOUNTING ENDORSEMENT.			
	Business Machine Repair 47.0102 Business Services 07.0999 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 General Office Clerical 14.0300 Secretarial Programs 07.0601	Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory & Admin 14.0800 Typing & Related Occupation 14.0900 Office 14.0000		

Special Circumstances

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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FINANCE CLUSTER			
52.1701	INSURANCE		
	Insurance 52.1701	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application

Special Circumstances

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GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER			
28.0301	ARMY(JROTC)		
	Army (JROTC) 28.0301 Department of Defense Credential required.	Provisional/ Professional/ Continuing teaching certificate not required	Appropriately certified teacher must hold DOD credential. Annual Authorization is not required.

Special Circumstances

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HEALTH SCIENCE CLUSTER			
26.0102	BIOTECHNOLOGY MEDICAL SERVICES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Biotechnology Medical Services 26.0102		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Biotechnology 26.1201 Cytology Technician 07.0201 Histology 07.0202		

Special Circumstances

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HEALTH SCIENCE CLUSTER				
51.0000	THERAPEUTIC SERVICES		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Therapeutic Services 51.0000 (Formerly Health Sciences) State of Michigan license, if applicable, required to be up to date and on file			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT			
	Allied Health Technology 51.9999 Dental Hygienist 07.0102 Dental Lab Technician 07.0103 Dental Occupations 17.0100 General Health Occupations 07.9900 Health 07.000 Health Occupations Cluster 07.9802 Health Occupations Cluster 17.9900 Medical Assisting 17.0503	Medical Emergency Tech 07.0907 Nursing 07.0300 Nursing Occupations 17.0600 Occupational Therapy 07.0401 Pharmacy Assistant 07.9803 Physical Therapy 07.0402 Nursing Aide 07.0303 Occupational Preparation 09.0200 Practical Nursing 07.0302 Ward Clerk 07.9801		

Special Circumstances

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HEALTH SCIENCE CLUSTER			
51.0707	HEALTH INFORMATICS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Health Informatics 51.0707		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Health Sciences		
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT		
	Therapeutic Services 51.000		

Special Circumstances

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HEALTH SCIENCE CLUSTER			
51.1000	DIAGNOSTIC SERVICES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Diagnostic Services 51.1000		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Health Sciences PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Therapeutic Services 51.000 Inhalation Therapy 07.0903 Medical Lab Assistant 07.0203 Medical Lab Technician 17.0300 Operation Room Technician 07.0305 Optical Mechanics 17.2101 Radiological Technician 07.0702 X-ray Technician 07.0501		

Special Circumstances

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HOSPITALITY & TOURISM CLUSTER			
12.9999	PERSONAL AND CULINARY SERVICES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Personal and Culinary Services 12.9999		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Food Management 20.0401 Food Management 20.0499 Baker 17.2901 Cook/Chef 17.2900 PLACEMENT OF TEACHER CANDIDATES WITH THESE CIPS MUST BE DISCUSSED WITH MDE/OCTE PRE-PLACEMENT Food Service 04.0700 Food Service Hospital 07.0908 Hotel and Lodging 04.1100 Quantity Food Operations 17.2900 Recreation 01.0602 Recreation and Tourism 04.1800 Meat Cutter 17.2903 Waiter/Waitress 17.2904		

Special Circumstances

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HUMAN SERVICES CLUSTER			
12.0400	COSMETOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Cosmetology 12.0400		
	Instructor's license required to be on file State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Barbering 17.2601		

Special Circumstances

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HUMAN SERVICES CLUSTER			
19.0700	CHILD AND CUSTODIAL CARE SERVICES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Not available for NEW CTE Application. No longer state approved 6/2014		
	Child and Custodial Care Services 19.0700		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Child and Adult Care Services 20.0299		
	Child Care and Guidance 20.0201		

Special Circumstances

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INFORMATION TECHNOLOGY CLUSTER				
11.0201	COMPUTER PROGRAMMING/PROGRAMMER		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Computer Programming/Programmer 11.0201			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Business Administration Management & Operations 52.0299 Business, Management & Administration 52.9994 Business Services and Technology 52.9999 Data Processing/Business 07.0301 Information Communication 14.0400 Information Technology 11.1000			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT			
	Business Machine Repair 47.0102 Business Services 07.0999 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 General Office Clerical 14.0300 Secretarial Programs 07.0601	Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory & Admin 14.0800 Typing & Related Occupation 14.0900 Office 14.0000		

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INFORMATION TECHNOLOGY CLUSTER				
11.0801	DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Digital/Multimedia and Information Resources Design 11.0801			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Business Administration Management & Operations 52.0299 Business, Management & Administration 52.9994 Business Services and Technology 52.9999 Data Processing/Business 07.0301 Information Communication 14.0400 Information Technology 11.1000			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT			
	Business Machine Repair 47.0102 Business Services 07.0999 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 General Office Clerical 14.0300 Secretarial Programs 07.0601	Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory & Admin 14.0800 Typing & Related Occupation 14.0900 Office 14.0000		

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INFORMATION TECHNOLOGY CLUSTER				
11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Computer Systems Networking and Telecommunications 11.0901			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Business Administration Management & Operations 52.0299 Business, Management & Administration 52.9994 Business Services and Technology 52.9999 Data Processing/Business 07.0301 Information Communication 14.0400 Information Technology 11.1000			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT			
	Business Machine Repair 47.0102 Business Services 07.0999 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 General Office Clerical 14.0300 Secretarial Programs 07.0601	Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory & Admin 14.0800 Typing & Related Occupation 14.0900 Office 14.0000		

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INFORMATION TECHNOLOGY CLUSTER				
11.1001	SYSTEMS ADMINISTRATOR/ADMINISTRATOR		Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Systems Administrator/Administrator 11.1001			
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA			
	Business Administration Management & Operations 52.0299 Business, Management & Administration 52.9994 Business Services and Technology 52.9999 Data Processing/Business 07.0301 Information Communication 14.0400 Information Technology 11.1000			
	PLACEMENT OF TEACHER CANDIDATES WITH THE FOLLOWING CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH A BUSINESS OR COMPUTER SCIENCE ENDORSEMENT			
	Business Machine Repair 47.0102 Business Services 07.0999 Clerical & Sec Lab 14.9900 Clerical Lab 14.9700 General Office Clerical 14.0300 Secretarial Programs 07.0601	Steno/Clerical 14.0700 Steno/Clerical Lab 14.9800 Supervisory & Admin 14.0800 Typing & Related Occupation 14.0900 Office 14.0000		

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LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY CLUSTER			
43.0100	PUBLIC SAFETY/PROTECTIVE SERVICES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Public Safety/Protective Services 43.0100		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Law Enforcement Training 43.0107 Fireman 17.2801 Public Service Occupation 17.2800		

Special Circumstances

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MANUFACTURING CLUSTER			
47.0101	ELECTRICAL/ELECTRONICS EQUIPMENT INSTALLATION AND REPAIR		
	Electrical/Electronics Equipment Installation and Repair 47.0101	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Appliance Repair 17.0200 Electrical Appliances 17.0201 Electrical, Electronics & Comm Engineer 14.1001 Electric Power Generation Plants 17.3201 Electricity 17.1002 Electro-Mechanical Tech 47.0199 Electro-Mechanical Tech 15.0403 Electronics Occupations 17.1500 Lineman 17.1402 Watch Repair 47.0408 Watchmaking and Repair 17.2102		

Special Circumstances

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MANUFACTURING CLUSTER			
47.0616	MARINE MAINTENANCE Not available for NEW CTE Application	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Marine Maintenance 47.0616		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Marine Mechanics 17.2200 Seamanship 17.0801 Ship and Boat/Operation and Maintenance 17.0802		

Special Circumstances

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3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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If teacher only has IOC/OEC, they cannot be placed in any classroom other than a Michigan State Approved CTE program.

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MANUFACTURING CLUSTER			
48.0501	MACHINE TOOL OPERATION/MACHINE SHOP	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Machine Tool Technology/Machinist (48.0501) (Formerly Machine Tool Operation/Machine Shop)		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Foundry 48.5020 Machine Shop 17.2302 Machine Shop 17.2303 Machine Tool Operation 48.0501_0 Manufacturing Cluster 48.0599 Manufacturing Technology 48.9999 Materials Support 14.0500 Metal Patternmaking 17.2309 Metal Trades 48.0506 Metal Trades/Combined 17.2304 Metallurgy 17.2400 Metalworking 17.2300 Precision Production Trades General 48.0000 Sheet Metal 17.2305 Tool and Die Making 17.2307		

Special Circumstances

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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MANUFACTURING CLUSTER			
48.0508	WELDING, BRAZING AND SOLDERING		
	Welding, Brazing and Soldering 48.0508	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application

Special Circumstances

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2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
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MANUFACTURING CLUSTER			
48.0701	WOODWORKING GENERAL	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Woodworking General 48.0701		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Carpentry 17.1001 Construction Trades 46.9901 Construction Trades 46.0000 Construction and Maintenance 17.100 Millwork and Cabinetmaking 17.3601		

Special Circumstances

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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MARKETING CLUSTER			
52.1999	MARKETING, SALES AND SERVICE	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Marketing, Sales and Service 52.1999		
	HISTORICAL CIPS THAT ALSO MAY TEACH PROGRAM AREA		
	Marketing Education 08.0708 Marketing, Sales and Services 08.0700 Advertising Services 04.0100 General Merchandise 04.0800 Stock Clerk 14.0504 Food Distribution 04.0600		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER			
14.4201	MECHATRONICS	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Mechatronics 14.4201		
	HISTORICAL CIPS THAT ALSO MAY TEACH PROGRAM AREA		
	Electro-Mechanical Technology 15.0403 Electro-Mechanical Technology 47.0199 Industrial Production 15.0612 PLACEMENT OF TEACHER CANDIDATES WITH THESE CIPS MUST ALSO HOLD A VALID PROVISIONAL/PROFESSIONAL/CONTINUING CERTIFICATE WITH IX OR TX AND OCCUPATIONAL CERTIFICATE WITH THE FOLLOWING Electrical, Electronics, & Comm Engineer 14.1001 Electronics 17.1002		

Special Circumstances

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER			
15.0000	ENGINEERING TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Engineering Technology 15.0000		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Electrical and Power Transmission Installation 46.0301 Electrical/Electronics Equipment Installation and Repair General 47.0101 Surveying Engineer 14.3801		

Special Circumstances

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SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER			
15.1306	MECHANICAL DRAFTING	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Mechanical Drafting 15.1306		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Drafting and Design Technology 15.1301 Architectural Drafting 17.1398 Drafting 48.0101		

Special Circumstances

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2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
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4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0399	HEAVY INDUSTRIAL EQUIPMENT MAINTENANCE TECHNOLOGIES	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Heavy Industrial Equipment Maintenance Technologies 47.0399		
	State of Michigan license, if applicable, required to be up to date and on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Heavy Equipment 17.1003 Hydraulics and Pneumatics 47.0401 Industrial 17.1401 Industrial Electronics 17.1502 Industrial Equipment Repair 47.0301 Industrial Production Technologies 15.0699 Industrial Production Technologies/Technician 15.0612 Transportation Services & Technology 47.9999		

Special Circumstances

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2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0603	COLLISION REPAIR TECHNICIAN (NATEF CERTIFIED)	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Collision Repair Technician (NATEF Certified) 47.0603		
	NATEF certification required to be up to date and on file		
	Instructor must hold ASE certification		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Auto Body Repair 47.0683 Body and Fender 17.0301		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0604	AUTOMOBILE TECHNICIAN (NATEF CERTIFIED)	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Automobile Technician 47.0604		
	NATEF certification required to be up to date and on file		
	Instructor must hold ASE certification		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Auto Mechanics 47.0684 Automotive 04.0300 Mechanics 17.0302 Mechanics Cluster 47.0699 Transportation Services & Technology 47.9999		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0606	SMALL ENGINE & RELATED EQUIPMENT REPAIR	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Small Engine & Related Equipment Repair 47.0606		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Marine Maintenance 47.0616 Mechanics 17.0302 Mechanics Cluster 47.0699		

Special Circumstances

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2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0607	AIRFRAME TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Airframe Technology 47.0607		
	FAA License must be on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Aircraft Maintenance 17.0401 Aircraft Mechanics 47.0602 Transportation Services & Technology 47.9999		

Special Circumstances

1. IOC/OCE or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
2. If teacher only has IOC/OEC, they cannot be placed in any classroom other than state approved CTE.
3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0608	POWER PLANT TECHNOLOGY (AIRCRAFT)	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Power Plant Technology (Aircraft) 47.0608		
	FAA License must be on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Aircraft Maintenance 17.0401 Aircraft Mechanics 47.0602 Aircraft Operations 17.0402		

Special Circumstances

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3. Contracted programs must apply for Annual Occupational Authorization.
4. University or Community College notifies OCTE in writing annually that post-secondary faculty is teaching the secondary program no AOA required.

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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0609	AVIONICS MAINTENANCE TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Avionics Maintenance Technology 47.0609		
	FAA License must be on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Aviation Operations 17.0400		
	Aviation Maintenance Technology 47.0609		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
47.0613	MEDIUM/HEAVY TRUCK TECHNICIAN (NATEF CERTIFIED)	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Medium/Heavy Truck Technician (NATEF Certified) 47.0613		
	NATEF certification required to be up to date and on file		
	Instructor must hold ASE certification		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Medium/Heavy Truck Tech 47.0605 Diesel Mechanic 17.1200		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
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TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER			
49.0101	AERONAUTICS/AVIATION/AEROSPACE SCIENCE & TECHNOLOGY	Provisional/ Professional/ Continuing teaching certificate not required	If appropriately certified teacher not available, may use: Annual Occupational Authorization Specialized work experience in CIP area must have been within 6 years from the date of the application
	Aeronautics/Aviation/Aerospace Science & Technology 49.0101		
	FAA License must be on file		
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA		
	Aircraft Maintenance 17.0401 Aircraft Mechanics 47.0602 Aircraft Operations 17.0402		

Special Circumstances

1. IOC/OEC or Annual Occupation Authorization required for all state approved CTE programs. Age of credential will determine language on certificate.
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FAMILY AND CONSUMER SCIENCES (non-wage earning) CLUSTER			
19.0000	FAMILY AND CONSUMER SCIENCES	Required	If appropriately certified teacher not available, may use:
	Family and Consumer Sciences 19.0000	Valid Michigan Certificate: Provisional, Professional, or Continuing with KH endorsement	Any certified teacher, but cannot report for occupational funding
	HISTORICAL CIPS THAT MAY ALSO TEACH PROGRAM AREA Consumer and Homemaking 09.0100 Consumer and Homemaking 20.0100 Custodial Services 20.0699 Custodial, Housekeeping & Home Svcs 19.0699		

Special Circumstances

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